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Planning & Management Services, Inc. (P&M) specializes in providing specialized project delivery services by delivering major capital programs and projects through traditional and cutting-edge delivery methods.

P&M is a certified small business (SBE) firm with King County, Washington Office of Minority and Women Business Enterprise, Los Angeles Metropolitan Transportation Authority and Southern California Regional Rail Authority.

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Terminal 5 Berth Modernization (2015-2018)

Prime: Moffat Nichols Project Cost: \$250M

P&M provides program controls services for this major capital construction program including critical path methodology (CPM) construction scheduling; cost controls, risk assessment and progress tracking and reporting. The project consists of upgrades and modifications to existing container terminal facilities at Terminal 5 to improve container berthing facilities to accommodate berthing and loading/unloading of larger ships and improve electrical supply and distribution



Terminal 91 & T30 Cargo Terminal Development (2007-2009)

Prime: P&M Project Cost: \$130M

P&M provided program controls for the relocation of the T30 cruise operations to a new facility at T91 and the work to combine Terminals 25, 28 and 30 into a 70-acre container terminal. P&M led a team of project controls specialists providing comprehensive risk focused cost and schedule project controls services for this complex program. The program faced significant political and logistical risks including critical schedule constraints and coordination with on-going terminal operations.



Shilshole Bay Marina Redevelopment (2007-2009)

Prime: P&M Project Cost: \$80M

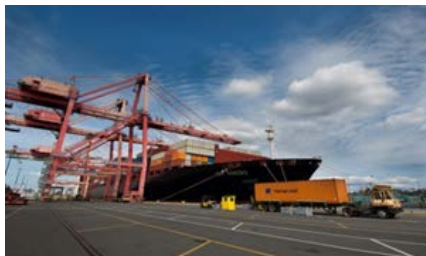
P&M provided comprehensive risk focused construction scheduling and cost management services for this major capital project. This project, delivered through GC/CM, involved complex logistics with challenging operational requirements. Special services included risk assessment and finalization of the engineer's estimate and negotiation support of maximum allowable construction cost (MACC) for this project.

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Seaport Project Management & Controls/Project Delivery Services (2003-2009)

Prime: Kennedy/Jenks Project Cost: NA

P&M developed and implemented comprehensive Project Delivery methodology for management of the Port of Seattle capital improvement program from planning through design, permitting and construction. Our deliverables included: Project Controls Guideline, CPM Schedule Template, Program Schedule, Cost Estimate Template, Access Database for project tracking and reporting, Trend & Variance Tracking and Forecast Development. The team also provided supplemental project controls such as Risk Management, Construction Scheduling and Forensic Claims Analysis.

Clean Truck Grant Administration, Project Controls & Auditing (2014-2017)

Prime: P&M Project Cost: NA

P&M was contracted by the Port of Seattle to perform grant administration, project controls and auditing services on the clean truck program. The project aims to reduce air emissions from current and future maritime port operations in the Pacific Northwest. One of the strategies is to require all trucks entering the marine terminals of the Port of Seattle and Port of Tacoma meet or surpass US EPA emission standards for 2007 heavy duty truck engines by the end of 2017. The program provides cash incentives to qualified truckers to scrap and replace their old trucks.

Port of Tacoma Yusen Terminal Tacoma Inc. (YTTI) Redevelopment Design – Wharf, Container & Intermodal Yard (2007-2009)

Prime: Moffat Nichols Project Cost: \$450M

P&M provided project controls services for this proposed \$300M terminal redevelopment project that included construction scheduling and cost controls. The project involved pre-design and final design with annual capacity of 1.4 million to 1.8 million TEUs (twenty-foot equivalent units), 24-acre intermodal rail yard and 731-meter berth on the 15.5-meter deep Blair Waterway.

Terminal 18 North Apron Upgrade (2007-2009)

Prime: P&M Project Cost: NA

P&M provided program/construction scheduling, cost controls and claims analysis services. The claims analysis support consistently provided advanced techniques and tools of schedule (time) impact analysis, cost impact analysis using Primavera Project Planner and MS Project. Comprehensive evaluation reports were prepared that presented recommendations; supported the results of the analysis and, provided the Port appropriate justification for its position.

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